

WHAT IS CLAIMED IS:

1. A method for mounting a motor to a support using a mounting system, the mounting system including a plurality of fasteners, the motor including a pair of endshields and a housing extending therebetween, the housing including a plurality of openings, said method comprising:

5 attaching the fasteners to an inner surface of the housing using a plurality of attachment points within the housing, such that the fasteners extend radially outwardly from the housing; and

attaching the motor to the support using the plurality of fasteners.

2. A method in accordance with Claim 1 wherein the housing further includes a plurality of raised projections circumferentially spaced 90 degrees about the housing, each of the plurality of openings disposed within a respective raised projection, attaching the fasteners further comprising inserting each respective fastener through a respective housing raised projection.

3. A method in accordance with Claim 1 wherein the housing further includes a plurality of raised projections, attaching the fasteners further comprising inserting each of the fasteners through each of the plurality of housing raised projections such that the fasteners extend outwardly from the housing.

4. A method in accordance with Claim 1 wherein the mounting system further includes attaching the fasteners further comprises crimping the fasteners to an inner surface of the housing.

20 5. A housing for a motor extending between a pair of endshields, said housing comprising:

an inner surface;

an outer surface;

at least one raised projection extending outwardly from at least one of said housing inner surface and said housing outer surface, said projection comprising at least one opening extending therethrough;

5 at least one fastener configured to attach to said inner surface and extend outwardly through said housing opening.

6. A housing in accordance with Claim 5 wherein said housing further comprises a plurality of raised projections, said projections spaced circumferentially.

7. A housing in accordance with Claim 5 wherein said housing further comprises a plurality of raised projections, adjacent said projections spaced circumferentially 90 degrees about the housing.

8. A housing in accordance with Claim 5 wherein said housing comprises a cylindrical body.

9. A housing in accordance with Claim 5 wherein said inner surface of said raised projections comprises at least one attachment point.

10. A housing in accordance with Claim 5 wherein said inner surface of said raised projections comprises a plurality of attachment points configured to receive a fastener.

11. A housing in accordance with Claim 5 wherein said housing comprises a plurality of fasteners configured to attach to said inner surface of said raised projections such that said fasteners extend outwardly from said housing.

20 12. A housing in accordance with Claim 5 wherein said plurality of fasteners are attached to the housing inner surface by at least a weld, a crimp, and an adhesive.

25 13. A housing in accordance with Claim 5 wherein said plurality of fasteners are attached to said inner surface of said raised projection such that said fasteners are disposed inside inner surface.

July 15/7
14. A motor comprising:

a pair of endshields;

a housing extending between said endshields including at least one raised projection extending outwardly from said housing, said projection comprising at least one opening extending therethrough and at least one fastener configured to attach to said housing and extend outwardly through said housing; and

a stator-rotor assembly mounted in said housing.

July 15/7
15. A motor in accordance with Claim 14 wherein said housing further comprises a plurality of raised projections, said projections spaced circumferentially 90 degrees about the housing.

16. A motor in accordance with Claim 14 wherein said housing is substantially cylindrically shaped.

July 15/7
17. A housing in accordance with Claim 14 wherein said inner surface of said raised projections comprises a plurality of attachment points configured to receive a fastener.

18. A housing in accordance with Claim 14 wherein said housing comprises a plurality of fasteners configured to attach to said inner surface of said raised projections such that said fasteners extend outwardly from said housing.

19. A housing in accordance with Claim 14 wherein said plurality of fasteners are attached to the housing inner surface by at least a weld, a crimp, and an adhesive.

20. A housing in accordance with Claim 14 wherein said plurality of fasteners are attached to said inner surface of said raised projection such that said fasteners are disposed inside inner surface.

SEARCHED
INDEXED
SERIALIZED
FILED
JULY 15 1989